



CBRNIAC

*Chemical, Biological, Radiological & Nuclear Defense
Information Analysis Center*



Basic Products Catalog

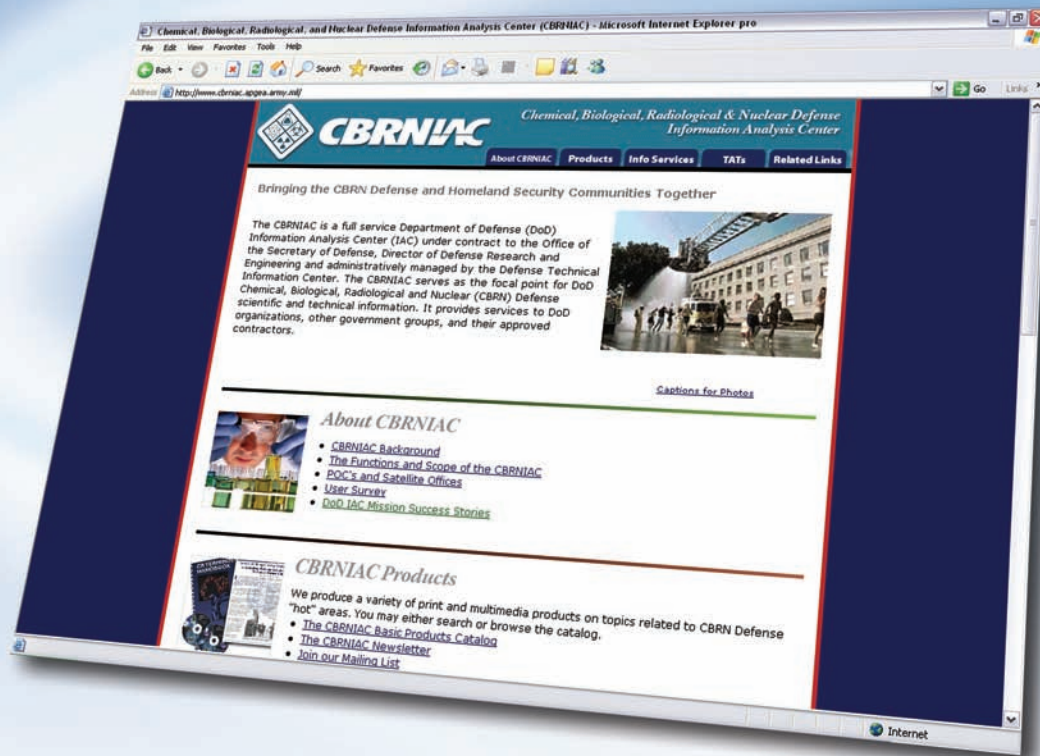
Summer 2007



A Department of Defense-Sponsored
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INTRODUCTION

The CBRNIAC, operated by Battelle Memorial Institute, is a full service Department of Defense (DoD) Information Analysis Center (IAC) under contract to the Office of the Secretary of Defense and administratively managed by the Defense Technical Information Center (DTIC) under the DoD IAC Program Office. Established in 1986, the CBRNIAC, formerly the CBIAC, serves as the focal point for Chemical, Biological, Radiological, and Nuclear (CBRN) Defense technology.

The CBRNIAC produces a variety of hardcopy and multi-media products which represent CBRN Defense “hot” areas, referred to as CBRNIAC Basic Products. The various categories of CBRNIAC Basic Products are explained below.

CBRNIAC Basic Products

➤ *Critical Reviews (CRs) and Technology Assessments (TAs)*: CRs are evaluations of the most recently available information on a specific aspect of research and development that has applicability in the CBRNIAC’s scope areas. TAs are comparative analyses and appraisals based on technical characteristics.

➤ *Databases*: Databases are repositories of data that are organized for rapid electronic search, selection and retrieval.

➤ *Handbooks and Databooks*: Handbooks are authoritative analytical products that provide detailed technical data and profiles for a select category of CBRN Defense equipment or technology. Databooks are compilations of test and evaluation data for a specific aspect of CBRN Defense research and development.

➤ *State-of-the-Art Reports (SOARs)*: SOARs are comprehensive analysis products on the status of a technology in a given subject area.

➤ *Training Aids*: The CBRNIAC designs and produces training materials such as training kits and CD-ROM multimedia products, based on user needs.

Ordering Information

This catalog provides product titles, reference numbers, media type, prices, distribution limitations, publication dates, descriptions and a *Products Order Form* for CBRNIAC products that have been approved for dissemination. To place a product order through the CBRNIAC, please detach the CBRNIAC *Products Order Form* included on the back page of this catalog and submit it via fax or mail to the attention of the Products Administrator, or complete the *Product Request Form* on the CBRNIAC Web site.

Payment Methods

The CBRNIAC accepts payment in a variety of forms including checks or money orders made payable to Battelle, (*U.S. dollars only*), purchase orders (*from U.S. Government agencies only*), or credit cards (*including VISA, MasterCard, and American Express*).



Response Time

Orders will be filled on a first-come, first-served basis upon receipt of payment in full, unless otherwise specified. Please allow up to 4 to 6 weeks for delivery.

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CRITICAL REVIEWS

Understanding Vapor Intrusion – A Guide to Key Concepts and Principles

Approved for Public Release; Distribution Unlimited

CR-07-17

\$10.00

October 2006

This 7.5 minute DVD developed by the Navy Environmental Health Center (NEHC) provides a general description of "vapor intrusion" and highlights concepts and principles necessary to understand the overall process. Key factors potentially affecting vapor migration, background sources of volatile organic chemicals (VOCs), exposure pathways, etc., are discussed in simple, easy to understand terms – the target audience is the general public, DoD Restoration Advisory Board (RAB) members, and interested or potentially affected communities. *CB-039893*



Development of a Colorimetric End-of-Service-Life Indicator (ESLI) for CBRN Mask Filters

U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

CR-06-16

\$25.00

July 2006

This report provides a comprehensive overview of the exploratory program performed by the Edgewood Chemical Biological Center (ECBC) to develop a low-cost, qualitative, end-of-service-life indicator (ESLI) for chemical, biological, radiological, nuclear (CBRN) protective mask filters. Requirements were defined and a market survey/literature review was conducted to identify potential technologies. Based on the results, prototype CBRN mask filters containing the colorimetric ESLI technology were fabricated for gas-life testing to evaluate the concept. In addition, the effects of common battlefield contaminants and adverse environmental conditions on ESLI performance were assessed. The report is 50 pages long and includes color graphics and charts. *CB-039892*



Technical Report on the Portable Airlock for Non-Procedural Entry or Exit of CSEPP Pressurized Shelters

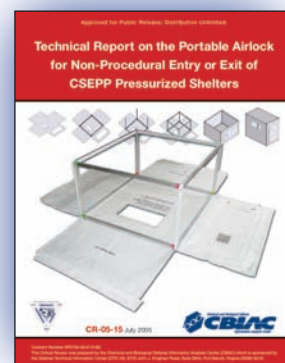
Approved for Public Release; Distribution Unlimited

CR-05-15

\$10.00

July 2005

This critical review investigates the requirements, design, and fabrication of a portable airlock system for use in pressurized shelters. Since 1988, the Federal Emergency Management Agency (FEMA) and the United States (U.S.) Army have assisted communities surrounding the eight chemical stockpile sites to enhance their abilities to respond to the unlikely event of a chemical agent emergency. The Chemical Stockpile Emergency Preparedness Program (CSEPP) provides support in numerous technical areas, including the implementation of pressurized shelters or safe rooms within buildings to ensure the safety of people during chemical agent emergencies. These pressurized shelters, except for those in hospitals, have been designed without airlocks and are intended to protect those who routinely occupy the buildings. It is not intended for people to enter and exit after the shelters are closed and pressurized or to allow anyone to enter or leave during a chemical agent emergency. The development of a portable airlock system has been investigated by CSEPP to be used for non-procedural entry and exit at school shelters (e.g., the late arrival or early departure of people entering/exiting the protective shelter). This report includes photos and illustrations of design components and fabrication sequences. *CB-032581*



Dispatcher's Guide for WMD Incidents

Approved for Public Release; Distribution Unlimited

CR-05-14

\$10.00

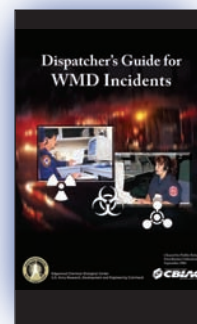
September 2004

This publication was developed by the Edgewood Chemical and Biological Center to assist emergency response agencies in responding to a WMD incident. The Guide contains tabbed sections on general emergencies, chemical incidents, biological incidents, radiological incidents, and high yield explosive incidents, along with references and acronyms.

An electronic version is available for download at

http://www.edgewood.army.mil/hld/dl/ECBC_ACWA_WMD_DISPATCH.pdf.

CB-030598



Biological Incident Operations: A Guide for Law Enforcement

Approved for Public Release; Distribution Unlimited

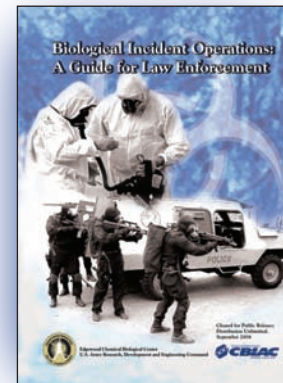
CR-05-13

\$25.00

September 2004

This publication was developed by the Edgewood Chemical and Biological Center to assist law enforcement agencies in managing a biological terrorism incident. The Guide includes an *Introduction* and *Biological Incident Overview*, along with sections on *Biological Terrorism Awareness*, *Incident Information/Intelligence*, *Personal Protection Measures*, *Proposed Response to a Credible Threat and to a Suspect Material/Package/Device*, *Incident Investigation*, *Tactical Entry of a Suspected Site*, *Incident Control*, *Community Outreach*, *Organization of Law Enforcement Assets*, *References* and supporting appendices. This 94 page guide is in an 8.5" by 11" format, and is spiral bound, side-tabbed, and printed on durable materials. An electronic version is available for download at http://www.edgewood.army.mil/hld/dl/ecbc_le_bio_guide.pdf.

CB-031628



Emergency Decontamination Corridor and Ladder Pipe Decontamination Systems

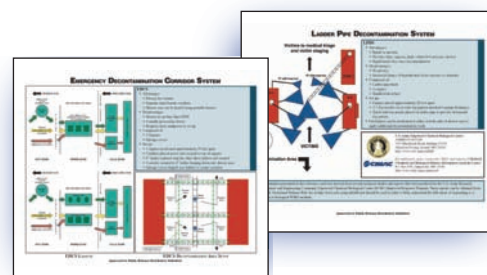
Approved for Public Release; Distribution Unlimited

CR-04-12

\$2.00

May 2004

This laminated card provides guidelines for firefighters and emergency response personnel who must perform decontamination activities in response to a chemical or biological incident. The card addresses the advantages, disadvantages, requirements for, and set up of the emergency decontamination corridor system and the ladder pipe decontamination system. The card also provides site layout diagrams for each system. CB-032582



Quick Response Guidelines for a Suspected Chem/Bio Attack

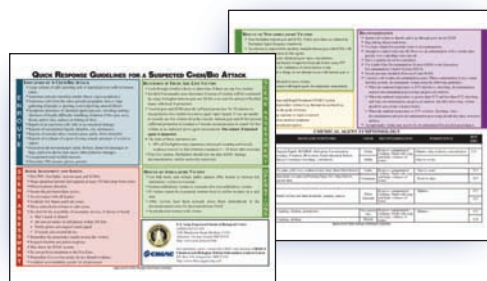
Approved for Public Release; Distribution Unlimited

CR-04-11

\$2.00

May 2004

This laminated card provides guidelines for firefighters and emergency response personnel who may have to deal with a chemical or biological incident. The card addresses enroute activities, scene assessment, and operations, and covers indicators of a chemical or biological attack, scene assessment and safety, victim identification and rescue, triage, decontamination, and chemical agent symptomology. CB-032584



The Psychological Effects of Weapons of Mass Destruction (WMD) on Military and Civilian Personnel

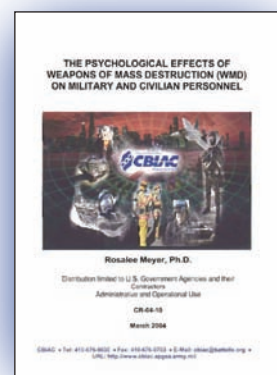
U.S. Government Agencies and their Contractors Only; Unclassified

CR-04-10

\$25.00

March 2004

The objective of this CR is to provide data to assist in quantifying the ratio of psychological to physical casualties in a WMD incident. Data from a total of 16 events are reviewed and analyzed. This CR describes both short- and long-term psychological effects for civilian and military populations, with an emphasis on immediate psychological reactions in civilian populations. Although this report does not focus directly on consequence assessment and consequence management issues, the “lessons learned” from the case studies with respect to consequence assessment and consequence management are discussed. CB-032585



Law Enforcement Officers Guide for Responding to Chemical Terrorist Incidents

Approved for Public Release; Distribution Unlimited

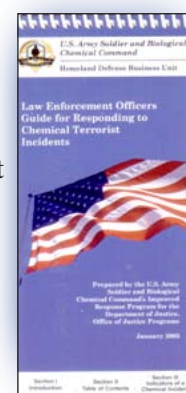
CR-03-09

\$10.00

July 2003

(Up to 5 copies free to law enforcement agencies – contact CBRNIAC for details)

This publication was developed by the Edgewood Chemical Biological Center for the Department of Justice, Office of Justice Programs. It provides law enforcement personnel with a quick reference guide on the basic aspects of identifying and responding to a terrorist chemical weapons incident. The Guide includes an Introduction, along with sections on *Indicators of a Chemical Incident*, *Chemical Agent Information*, *Initial Response*, *Dispatcher's Role*, *Notifications*, *Scene Control*, *Decontamination*, *Incident Investigation*, and *Evidence Collection*, along with *References*. CB-031413



Medical Aspects of Biological Agents

Approved for Public Release; Distribution Unlimited

CR-03-08

\$10.00

July 2003

(Free downloads are available on our Web site)

This CD-ROM contains briefings (with notes pages) on *Anthrax*, *Bubonic Plague*, *Crimean-Congo Hemorrhagic Fever*, *Dengue*, *Ebola*, *Influenza*, *Japanese Encephalitis*, *Lassa*, *Marburg*, *Pneumonic Plague*, *Rift Valley Fever*, *SEB*, *Smallpox*, *St. Louis Encephalitis*, and *Tularemia*. These presentations are part of a series developed by the CBIAC, now CBRNIAC, for the Medical NBC Staff at the Office of The Surgeon General, U.S. Army. The briefings address medical issues, both operational and clinical, of these agents, and were developed for use in briefing either medical or maneuver Commanders. Information in the presentations includes physical data on the agent, signs and symptoms, means of dispersion, treatment, and medical resources required, issues about investigational new drugs or vaccines, and epidemiological concerns. Notes pages have been provided for reference. Each briefing contains sections on *Background*, *Battlefield Response*, *Medical Response*, *Command and Control*, *Summary*, and *References*. CB-032586



WMD Reference CDs

Approved for Public Release; Distribution Unlimited

CR-03-07

\$25.00

July 2003

This 2 CD-ROM set was developed in cooperation with the Edgewood Chemical Biological Center. The set offers a searchable collection of documents that highlights different aspects of Weapons of Mass Destruction events and topics (*Homeland Defense Business Unit, Biological Weapons, Chemical Weapons, Emergency Management and Planning, Preventive Measures, Decontamination, and Treatment, Homeland Defense and Terrorism, References*) with a Homeland Defense focus. The set features RDECOM Improved Response Program (IRP) products. CB-032587



Chemical Agent Simulants and Associated Technologies

U.S. Government Agencies Only; Unclassified

CR-02-05

\$25.00

April 2002

The purpose of this review is threefold: (1) To provide the reader with a basic understanding of the principles underlying the selection and use of chemical agent simulants; (2) To provide an overview of chemical agent simulant programs as they have evolved among nations world-wide with emphasis on the U.S. program and; (3) to provide an extensive list of information resources for readers who wish to pursue this topic further. CB-160848



Joint Service Chemical and Biological Science and Technology Base Program in Decontamination

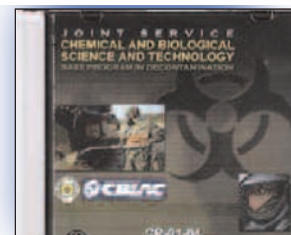
U.S. Government Agencies and their Contractors Only; Unclassified

CR-01-04

\$25.00

April 2001

This CD-ROM contains the results of a literature search and market survey addressing wide area CB decontamination technologies equipment and projects, the *Joint Science and Technology Chemical and Biological Decontamination Front End Analysis and Master Plan Report*, and the *Joint Science and Technology Chemical and Biological Decontamination Master Plan Summary*. The contents will be of value to those working in the decontamination area. Adobe Acrobat Reader with Search® Version 4.05b is needed to view and search these documents; a copy of this version is provided on the CD-ROM. CB-160849



Air Purification Technologies

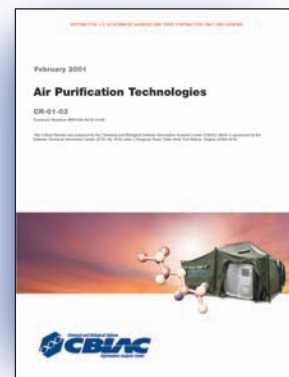
U.S. Government Agencies and their Contractors Only; Unclassified

CR-01-03

\$25.00

February 2001

A variety of air purification technologies exist and are used for both military and commercial uses. Certain of the technologies are more applicable to collective protection than to individual protection applications, based primarily on power requirements and size and weight. The expected maturity of technologies is also discussed; technologies in the R&D stage may not be available for near term individual and collective protection applications. A full range of current and emerging vapor separation and aerosol separation technologies are considered. CB-160850



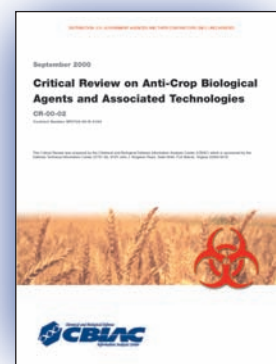
Critical Review on Anti-Crop Biological Agents and Associated Technologies U.S. Government Agencies and their Contractors Only; Unclassified

CR-00-02

\$25.00

September 2000

This critical review, based on open literature sources, provides an extensive list of open literature information resources for readers who wish to pursue this area of inquiry further. Topics addressed include fungi, bacterial, and viral diseases, newly emerging diseases, and other related topics. *CB-160851*



Chemical Biological/Smoke Modeling and Simulation (M&S) Newsletter Compilation

U.S. Government Agencies and their M&S Contractors Only; Unclassified

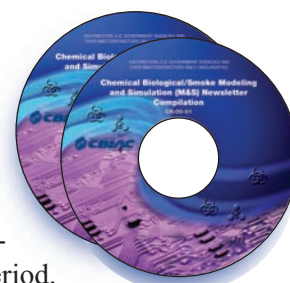
CR-00-01

\$25.00

December 1999

This report contains the complete text of all 12 issues of the *Chemical Biological/Smoke Modeling and Simulation (M&S) Newsletter*, published from Spring 1995 through Fall 1999. These newsletters provide an excellent overview, review and summary of defense-related chemical, biological and smoke modeling and simulation activities during this period.

Adobe Acrobat Reader™ is required to view the individual newsletters, which are presented as PDF files on two CD-ROMs. *CB-160852*



Wide Area Decontamination: CB Decontamination Technologies, Equipment and Projects

Approved for Public Release; Distribution Unlimited

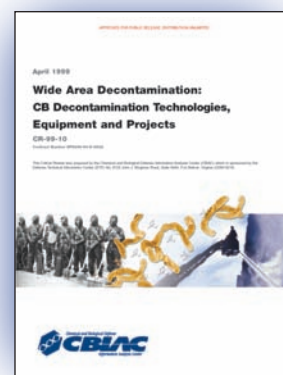
CR-99-10

\$25.00

April 1999

This report provides the reader with the results of a worldwide Chemical and Biological Wide Area Decontamination literature search and market survey along with a detailed assessment of existing equipment and technologies that may meet the needs of both military and domestic preparedness communities. The assessment also includes a detailed examination of the possible benefits of combining the equipment and technologies identified in order to create hardware solutions for immediate implementation.

CB-168955



Determination of Optimum Sorbent Material for Collection and Air Desorption of Chemical Warfare Agents

Approved for Public Release; Distribution Unlimited

CR-99-09

\$20.00

January 1999

This Critical Review addresses the properties of sorbent materials that are critical to a successful detection, including collecting the chemical warfare agent efficiently from the air and successfully desorbing the agent upon heating for subsequent detection by gas chromatography. This product contains both a detailed review of sorbent technologies and the results of experimental studies on chemical warfare agent sorbents. *CB-160853*



Demilitarization Technologies for Biological and Toxin Weapons

U.S. Government Agencies Only; Unclassified

CR-98-08

\$25.00

September 1998

This report provides the reader with a basic understanding of the history, principles, and procedures underlying the destruction (demilitarization) of biological and toxin weapons as discussed in the open literature. A survey of the open literature is presented to ascertain the current state of knowledge in this field. An extensive list of information resources is provided for those who wish to pursue the topic further. *CB-168954*



The Year 2000 Millennium Bug: A Chemical and Biological Defense Community Perspective

Approved for Public Release; Distribution Unlimited

CR-98-07

\$15.00

September 1998

The Y2K problem was pervasive and may have affected the CB Defense community in several ways. Knowledge of the problem was essential in order to plan and implement actions to repair or replace hardware or software that may fail in this circumstance. This CR will provide information to aid both the DoD and its contractors, and provides specific references to the Y2K compliance status of various programs within the CB Defense community. *CB-106867*



The Emergency Responder's Ability to Detect Chemical Agents

U.S. Government Agencies, their Contractors, State and Local Government Agencies Only; Unclassified

CR-98-06

\$15.00

July 1998

This critical review addresses the chemical agent detection and identification capability of emergency responders throughout the United States. Test data involving chemical warfare agents and commercial detection and identification devices are very limited, but a test program is currently under way. This Critical Review identifies the chemical detection equipment currently employed by emergency responders and discusses its usefulness for the detection and identification of chemical warfare agents. *CB-032588*



Critical Review of Surface Sampling Technologies for Volatilizing Liquid Chemical Agents

Approved for Public Release; Distribution Unlimited

CR-98-05

\$25.00

April 1998

This critical review supports the XM279 surface sampler development program. It identifies and describes surface sampling technologies and equipment that could aid the M22 Automatic Chemical Agent Alarm in detecting volatile liquid chemical warfare agents on surfaces. This CR presents a technical evaluation of six preliminary design concepts and discusses future development of volatilization technologies. *CB-106870*



Critical Review of Non-Lethal Grenade Technologies and Lethality Evaluation Criteria

Approved for Public Release; Distribution Unlimited

CR-98-04

\$25.00

April 1998

This critical review presents the results of a market investigation conducted to identify existing non-lethal technologies for integration into a 66 mm grenade for use with the Light Vehicle Obscuration Smoke System (LVOSS). This CR identifies and analyzes three specific non-lethal technologies and 12 existing non-lethal grenades. This report also identifies potential evaluation criteria for use in considering these technologies.

CB-106869



Critical Review of Sources of Chemical and Physical Properties Data for Militarily Significant Compounds

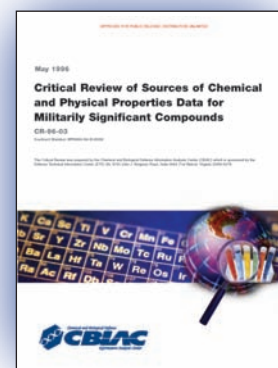
Approved for Public Release; Distribution Unlimited

CR-96-03

\$25.00

May 1996

This critical review provides information for locating chemical and physical property data for militarily significant compounds such as agents, decontaminants, degradation products, precursors and simulants. The report also provides information on how to acquire relevant data, cost and many valuable points of contact. Numerous World Wide Web (WWW) sites which provide Material Safety Data Sheets (MSDS) as well as suppliers of militarily significant compounds are also identified. CB-000765



A Critical Review of Sources of Spectral Data for Militarily Significant Compounds

Approved for Public Release; Distribution Unlimited

CR-95-02

\$20.00

December 1995

This critical review provides information for locating spectral data such as Nuclear Magnetic Resonance (NMR) spectra, Infrared (IR) spectra and Mass Spectra (MS) for militarily significant compounds including agents, decontaminants, degradation products, precursors and simulants. Profiles are provided for technical reports, reference books and databases that met the selection criteria established for this review. Sample citations for the databases are included whenever possible. The appendices cross-reference individual compounds with the type of spectral data available in each database for that compound. The document also provides information on access requirements for the various information resources, cost and valuable points of contact. CB-028928



A Critical Review of Nuclear, Biological and Chemical Contamination Survivability (NBCCS)

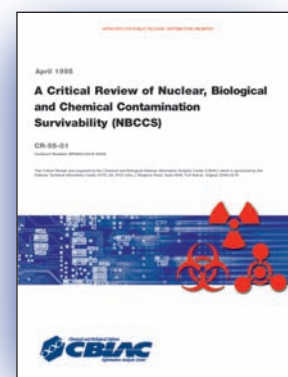
Approved for Public Release; Distribution Unlimited

CR-95-01

\$20.00

April 1995

This document provides the reader with the tools to understand the NBC criteria, the NBC materials selection process, the problems associated with the process, and what is being done to improve the process. This critical review provides a general overview as well as historical information on NBCCS regulations and their need. The review offers insight into the selection criteria for materials, provides a survivability analysis for some of the more commonly used materials and highlights some of the most widely used tests for determining NBCCS. CB-028927



DATABASES/DATABOOKS

CBIAC Newsletter Archive 1986-2005

Approved for Public Release; Distribution Unlimited

DBK-06-01

\$45.00

September 2006

CBIAC Newsletters from its first year of operation, 1986, through 2005 are archived in Portable Document Format (PDF). The articles in the issues cover the full spectrum of the CBIAC scope, documenting the history of the CBIAC, now CBRNIAC, and the development of CBRN Defense program development as well as highlighting key research, development, test, and evaluation activities in the CBRN defense community during the period covered. The entire set of 73 newsletters can be subjected to a keyword search using the Adobe search feature to facilitate locating articles of interest. *CB-039904*



Chemical Sources Database and Databook: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals (Set)

U.S. DoD Agencies Only; Unclassified

DBS-02-01

\$125.00

July 2002

CD-ROM/Paperback

Description: See below. *CB-188633*

Chemical Sources Database: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals

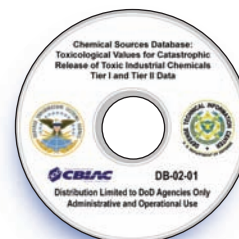
U.S. DoD Agencies Only; Unclassified

DB-02-01

\$75.00

July 2002

This database provides toxicological information on over 3200 chemicals (Tier I data) and over 400 chemicals (Tier II data) that may be of interest in a deployment situation. The database supports searching by chemical name and CAS number and provides toxicological reports on the chemicals covered. This CD-ROM contains an Access MDB file and a readme file. This DB is a companion to DBK-02-01 and contains the information in an electronic format. *CB-188631*



Chemical Sources Databook: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals

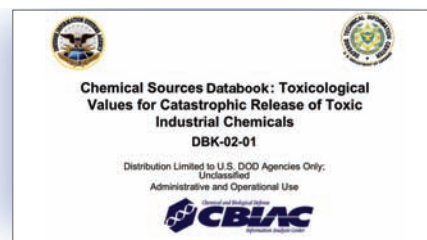
U.S. DoD Agencies Only; Unclassified

DBK-02-01

\$75.00

July 2002

This databook provides toxicological information on over 3200 chemicals (Tier I data) and over 400 chemicals (Tier II data) that may be of interest in a deployment situation. The databook, an 11" by 17" paperback, contains an Introduction, sections on Tier I – Chemicals Sorted by CAS Number, Tier I – Chemicals Sorted by Tox Score, Tier II Chemical Data, and References. This DBK is a companion to DB-02-01 and contains the information in a hard copy format. *CB-188632*



Susceptibility of Aircraft Materials to Chemical Warfare Agents (Reprint)

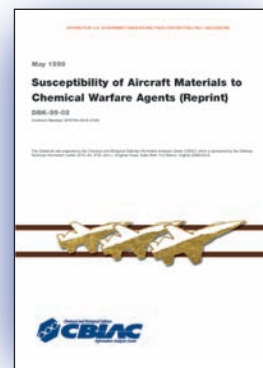
U.S. Government Agencies and their Contractors Only; Unclassified

DBK-99-02

\$75.00

May 1999

This Databook is a complete reprint of the original report, *Susceptibility of Aircraft Materials to Chemical Warfare Agents*, which received a limited issue on July 1, 1988. This Databook contains detailed information on the responses of 59 aircraft materials to the agents GD, VX, and HD. It is being issued as a service to the CB Defense community, and contains no information that was not present in the original publication. The CBRNIAC acknowledges the contributions of the authors of the original report, J.P. Pfau, P.E. Bailey, J.D. Booton, G. Frank, and R.J. Dick. The Battelle Memorial Institute staff, including the Polymer Center, made this reissue possible. *CB-118739*



Physiological and Psychological Effects of the Nuclear, Biological, and Chemical Environment and Sustained Operations on Systems in Combat (P²NBC²) Database

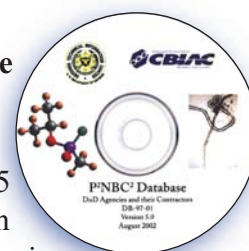
U.S. DoD Agencies and their Contractors Only; Unclassified

DB-97-01

\$60.00

January 1997

The P²NBC² Database was developed to archive data that was collected between 1985 and 1993 from 20 field tests sponsored by the P²NBC² program. Detailed information from 463 tasks performed in MOPP4 is formatted on CD-ROM. A PC with Windows is required for operation of this database. A user manual explaining system requirements, installation procedures, database design, and a summary of the individual field trials is also provided on the CD-ROM. References for the actual test and evaluation documentation are included. The database was converted to Access in August 2002. *CB-032590*



Chemical Defense Materials Databook

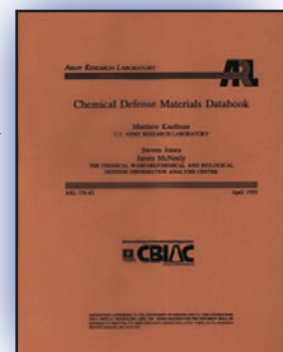
U.S. DoD Agencies and their Contractors Only; Export Controlled; Unclassified

DBK-95-01

\$10.00

April 1995

The CBRNIAC, in cooperation with the Army Research Laboratory (ARL), has prepared the *Chemical Defense Materials Databook*. Updated since its initial distribution at the 1994 Contamination Survivability Symposium, the databook is an abridged paper version of the *Chemical Defense Materials Database* (CDMD). The databook is designed to offer insight into the selection criteria for materials by providing the user with industrial guidelines for material selection, as well as insight into the problems with the data. The databook is a handy quick reference to the important information found in the CDMD. *CB-027734*



HANDBOOKS

BACWORTH Encyclopedia Version 6.2a

U.S. Government Agencies Only; Export Controlled; Unclassified; For Official Use Only

HB-04-03

\$75.00

January 2004

The Biological and Chemical Warfare Online Repository and Technical Holdings (BACWORTH) Encyclopedia Version 6.2a contains detailed data on 86 CB agents, toxins, and riot control agents. Entries include both at-a-glance summaries and detailed description levels. There are also 16 overview functional chapters addressing critical CB defense topics in a non-agent specific format. The Encyclopedia cites more than 1,500 references. Each Agent entry covers 13 key topics. This edition supersedes HB-00-01 and HB-03-02, which are no longer available. *CB-032591*



CB Terminology Handbook

Approved for Public Release; Distribution Unlimited

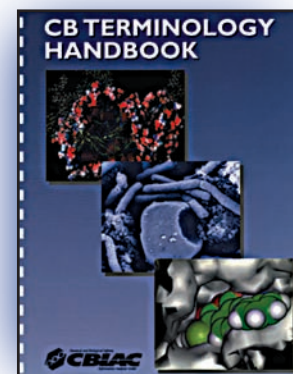
HB-99-03

\$75.00

June 1999

This handbook, consisting of over 400 pages, provides identifying properties and characteristics of biological agents, chemical agents, and toxins that are of concern within the CB Defense community. This Handbook was compiled to provide an overall description and quick reference of the subject matter covered. The biological agent section contains information on the diseases associated with biological agents, classification of the biological agents, and related topics. The chemical agent section contains information on the agent characteristics and effects, Chemical Abstracts Service (CAS) Number, physical properties, and related topics. The toxin section describes the toxin, the source of the toxin, its physical and chemical properties, and related properties.

CB-173343



Worldwide Chemical Detection Equipment and Worldwide NBC Mask Handbooks (Set)

Approved for Public Release; Distribution Unlimited

HBS-98-03

\$75.00

January 1998

Description: See below. CB-032592

Worldwide Chemical Detection Equipment Handbook

Approved for Public Release; Distribution Unlimited

HB-95-02

\$50.00

September 1995

This handbook, consisting of over 400 pages, documents physical and performance specifications for over 90 chemical detectors and serves as a valuable resource for engineers and scientists involved in CB Research and Development (R&D) efforts, the intelligence community, the Chemical Weapons Convention (CWC) verification community, equipment evaluators, foreign Governments and embassies, news media, military libraries and information centers. In addition to details on specific detectors, it describes active and passive standoff detection technologies as well as the following point detection technologies: ionization/ion mobility; flame photometry; mass spectrometry; photoacoustic infrared spectroscopy; electrochemistry, enzyme, and wet chemistry reactions used in detection kits, tickets and papers. CB-028982



Worldwide NBC Mask Handbook

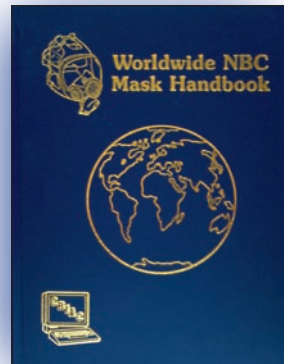
Approved for Public Release; Distribution Unlimited

HB-92-01

\$50.00

September 1992

This handbook consists of over 400 pages containing nearly 100 NBC masks and canisters inventoried by physical and performance specifications. Data on the individual protection equipment from 22 countries representing NATO, the former Warsaw Pact and neutral nations is included. Photographs and drawings, many in color, are provided for most of the items identified. The chapters are divided into three sections: filtration, respirators, and references. The handbook is completely cross-referenced and includes equipment indices by country and by manufacturer. Numerous world-renowned NBC defense experts have provided inputs to this publication. CB-020851



TRAINING AIDS

Explosive Simulant Kit

Federal, State, and Local Government Agencies Only – Further Distribution Only as Authorized by TSWG; Unclassified

SIMKIT-06-02

\$810.00

March 2006

The Explosive Simulant Kit is a hands-on tool containing representative simulants of common commercial and improvised explosive materials as well as common initiators. These simulants consist of both visual simulants (look) and tactile simulants (feel). *These simulants are not explosives and are not designed for use with detectors. There is no chemical similarity to explosives other than look and feel.* The kit can be used by trainers, airport security, border security, law enforcement and other interagency users. Each kit includes a user manual that describes the simulated explosives and the precursors required to make these explosives. The kit is completely transportable via air or ground – the simulants are made from inert samples or components that are not regulated by the EPA, DOT, IATA or ICAO. The kit contains simulants for improvised explosives, commercial explosives, fuels mixed with explosives, and initiators. CB-039903



CBR Simulant Training Kit

Federal, State, and Local Government Agencies Only—Further Distribution Only as Authorized by TSWG; Unclassified

SIMKIT-05-01

\$650.00

April 2005

(CBRNIAC)

The CBR Simulant Kit contains visual and odor simulants to assist a wide range of security and response personnel in recognizing chemical, biological, and radiological (CBR) materials. The simulants are intended to look like, or smell like, low-purity CBR materials that represent plausible terrorist production capabilities. *These simulants are not designed for use with detectors. There is no chemical similarity to agents other than look and smell.* A user manual is included that provides background information on CBR materials and specific information on properties and variations of the materials simulated. The kit contains 16 visual and 6 odor simulants. Chemical agent visual and odor simulants are included for mustard (HD), lewisite (L), Cyanide Salt, Soman (GD), VX, and Sarin (GB). The seven biological agent simulants include dry biological agent without fluidizer, dry biological agent with fluidizer, embryonated egg virus slurry, spoiled meat (botulinum), castor beans (ricin), bio slurry, and fermentation odor. The four radiological simulants include a US uranium fuel pellet, a Russian uranium fuel pellet, yellow cake (uranium dioxide), and sealed radiation source. Except for the sealed radiation source, the simulants are contained in glass vials that are protected by foam and are contained in an aluminum briefcase. The kit can be shipped by ground or air transportation. None of the simulants are regulated by U.S. Department of Transportation Hazardous Materials Regulations or the International Air Transportation Association. CB-032593



Chemical Warfare Agent Simulant Training Kit

Approved for Public Release; Distribution Unlimited

SIMKIT-96-01

\$150.00

October 1996

This kit, designed for classroom training purposes, simulates the color, viscosity, and scent of nerve agents Soman (GD), thickened Soman (TGD), Sarin (GB), and VX, as well as blister agents, distilled Mustard (HD) and Lewisite (L). Visual simulants are contained in clear, sealed glass vials. The scent simulants are added into a sponge material and contained inside dark-brown glass vials. The chemical properties are based upon literature and first-hand accounts from personnel experienced in working within chemical surety facilities. Each glass vial is marked with the designation “simulant”. *These simulants are not designed for use with detectors. There is no chemical similarity to agents other than look and smell.* A Material Safety Data Sheet (MSDS) is provided for each chemical used as a simulant. Glass vials are color coded on the caps with the appropriate agent designation. Instructions for use are on the inside lid cover. A pair of laboratory gloves are provided in the kit along with directions for the clean-up of a liquid spill should a vial be accidentally broken. Kits are made upon order. Please allow 6-8 weeks for delivery. CB-188970



STATE-OF-THE-ART REPORTS

Proceedings of the 2006 Scientific Conference on Chemical and Biological Defense Research

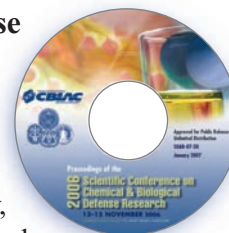
Approved for Public Release; Distribution Unlimited

SOAR-07-20

\$25.00

January 2007

This CD contains the complete proceedings of the 2006 Scientific Conference on Chemical and Biological Defense Research which was held from 13-15 November, 2006 in Hunt Valley, MD. The conference addressed the full range of topics of interest to the chemical and biological defense community. *CB-039987*



Proceedings of the 2004 Scientific Conference on Chemical and Biological Defense Research

Approved for Public Release; Distribution Unlimited

SOAR-06-19

\$25.00

October 2005

This CD contains the complete proceedings of the 2004 Scientific Conference on Chemical and Biological Defense Research which was held from 15-17 November, 2004 in Hunt Valley, MD. The conference addressed the full range of topics of interest to the chemical and biological defense community. *CB-039899*



Proceedings of the 2003 Joint Service Scientific Conference on Chemical and Biological Defense Research

Approved for Public Release; Distribution Unlimited

SOAR-06-18

\$25.00

October 2005

This CD contains the complete proceedings of the 2003 Joint Service Scientific Conference on Chemical and Biological Defense Research which was held from 17-20 November, 2003 in Towson, MD. The conference addressed the full range of topics of interest to the chemical and biological defense community. *CB-039900*



Proceedings of the 2005 Scientific Conference on Chemical and Biological Defense Research

Approved for Public Release; Distribution Unlimited

SOAR-06-17

\$25.00

January 2006

This CD contains the complete proceedings of the 2005 Scientific Conference on Chemical and Biological Defense Research which was held from 14-16 November, 2005 in Timonium, MD. The conference addressed the full range of topics of interest to the chemical and biological defense community. *CB-039898*



Proceedings of the 2nd DoD Sustainable Ranges Initiative Conference and Exhibition

U.S. Government Agencies and their Contractors Only; Unclassified

SOAR-06-16

\$10.00

September 2005

The DoD Sustainable Ranges Initiative IPT sponsored the 2nd DoD Sustainable Ranges Initiative Conference & Exhibition to provide a venue for the exchange of information and ideas that will benefit all stakeholders involved in the military range domain. The conference was held at the Henry B. Gonzalez Convention Center in San Antonio, Texas, 22-25 August 2005. The technical program was comprised of OSD and service-oriented discussion panels, issue-specific presentation/discussion panels and over 150 individual platform and poster presentations selected from abstracts submitted for review. The CD contains the complete proceedings of this conference. The exhibition featured 63 organizations representing government and industry. *CB-039901*



Weapons of Mass Destruction Handbook – Terms and Operational Overview

Approved for Public Release; Distribution Unlimited

SOAR-06-15

\$10.00

July 2005

This publication is an unclassified reference designed to aid senior executives involved in the management of domestic or international incidents involving the use of weapons of mass destruction. In addition to classic WMD materials, this handbook also provides basic reference terms and definitions for high-yield explosive and cyber threats. It includes sections on policy, homeland security presidential directives, meteorology, biological threats, agricultural bioterrorism, chemical threats, radiation and nuclear threats, explosive threats, and cyber threats. *CB-039906*



Chemical and Biological Medical Treatment Symposium - V

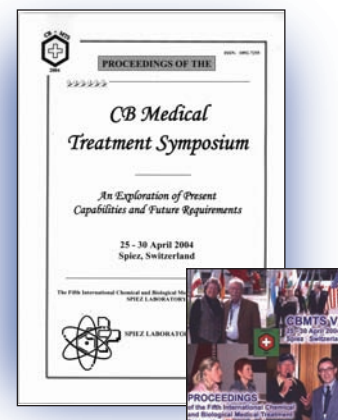
Approved for Public Release; Distribution Unlimited

SOAR-05-14

\$25.00

January 2005

This product contains the Proceedings of the 2004 Chemical and Biological Medical Treatment Symposium: *An Exploration of Present Capabilities and Future Requirements* (76 papers, 2 indexes, 386 pages) held in Spiez, Switzerland 25-30 April 2004, which brought together investigators from U.S. and international academia, industrial and government laboratories who are actively involved in medical CB defense research. The papers in these proceedings cover the full spectrum of chemical and biological defense matters of concern to the international professional community, addressed their concerns in the areas of radiological incidents and of terrorism, and their impacts on both civilian and military infrastructure. *CB-032594*



Proceedings of the Scientific Conference on Obscuration and Aerosol Research 2004

Approved for Public Release; Distribution Unlimited

SOAR-05-13

\$25.00

January 2005

This CD-ROM contains the Proceedings of the 2004 Scientific Conference on Obscuration and Aerosol Research (17 abstracts and 60 PowerPoint presentations or manuscripts) held 25-29 June 2004, which brought together investigators from U.S. and international academia, industrial and government laboratories who are actively involved in aerosol and nanoparticle research for technical discussions about the state of the art in both theoretical and experimental investigations on this topic. The conference addressed aerosol collectors ranging from devices for personal use to high volume samplers, new collector/concentrator designs, test methodologies, and challenges peculiar to bioaerosol sampling. Aerosol optics papers covered studies on the detection or identification of bioaerosols by optical probing techniques, optical constants of aerosol materials – especially bioaerosols, and topics such as multiangle light scattering and inversion. Metal nanofiber/nanoflake production and nanoparticle dispersion/aerosolization papers explored low cost production, deagglomeration and aerosolization of nanoparticles with minor dimensions under about 10 nanometers, major dimensions greater than several microns and electrical conductivity greater than or equal to that of iron. *CB-024316*



Sensing of Chemical & Biological Agents

U.S. DoD Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-04-12

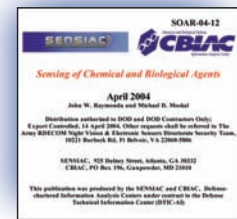
\$75.00 - \$150.00 (Contact SENSIAC for details)

April 2004

This report covers all aspects of the detection and identification of CB agents.

The SOAR presents the best available data on CB agent detection and identification systems, including those still in development, across all missions, applications, and platforms. It is 729 pages in length with 95 tables and 292 figures and contains an introduction to CB agents, general requirements, sensing phenomenology and instrumentation, chemical agent sensing systems, sensing of biological agents, emerging CB sensing, and enabling technologies. To order, visit the SENSIAC Web page at <http://www.sensiac.gatech.edu/> or contact SENSIAC at (404) 385-SENS (7367).

CB-192011



Chemical and Biological Medical Treatment Symposium - III

Approved for Public Release; Distribution Unlimited

SOAR-04-11

\$25.00

December 2003

This CD-ROM contains the complete proceedings of the Chemical and Biological Medical Treatment Symposium – III held in Spiez, Switzerland, on May 7-12, 2000. It presents the work of over 100 experts in medicine, science, and related disciplines from the government, academic and industrial sectors of the 32 participating countries. Topics addressed include nerve agent treatment, convulsions, cholinesterase measurement, mustard treatment, riot control agents, decontamination, bioscavengers, bioterrorism, biological agent treatment and detection, threats, and emergency response issues. CB-032596



Best Practices and Guidelines for Mass Personnel Decontamination

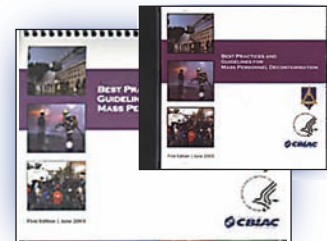
U.S. Government Agencies, their Contractors, State and Local Government Agencies Only; Unclassified

SOAR-03-10

\$20.00

June 2003

This product provides evidence- and consensus-based guidelines for responding to and decontaminating victims in mass casualty incidents involving chemical or biological materials. It was developed through Technical Support Working Group (TSWG) and U.S. Public Health Service in collaboration with Australia, Canada, and the United Kingdom, and provides general principles and methods for identifying and responding to chemical or biological mass casualty incidents. It includes sections on general principles of decontamination, chemical decontamination and setups, managing incident sites and decontaminating victims in a biological incident, along with annexes with supporting information, including detailed information on chemical and biological agents, common decontaminants, hazard modeling and management, and psychological and public relations considerations for use by federal, state and local emergency response personnel as both a training tool and as an on-scene quick reference. CB-032597



Criminal and Epidemiological Investigation Handbook

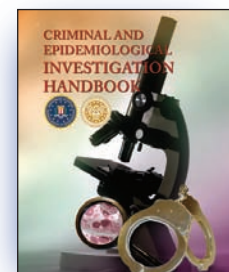
Approved for Public Release; Distribution Unlimited

SOAR-03-09

\$10.00

March 2003

This publication provides an introduction to epidemiological and criminal investigations of biological incidents so public health and law enforcement personnel have a better understanding of each other's information requirements and investigative procedures. It identifies potential conflicts that law enforcement and public health personnel will encounter during their respective biological incident investigations and provides potential solutions that can be adapted to meet the needs of various jurisdictions and agencies. It also enhances the mutual appreciation and understanding of these disciplines. CB-020375



Possible Terrorist Use of Modern Biotechnology Techniques

U.S. Government Agencies Only; Unclassified; For Official Use Only

SOAR-02-08

\$25.00

April 2002

This report addresses the background and assumptions related to possible terrorist use of modern biotechnology techniques, means of applying advanced biotechnology to the development and weaponization of organisms of interest, discusses the requisite levels of expertise needed to accomplish this task, and describes some possible scenarios.

Contributions from a Monterey Institute for International Studies / National Defense University focus group are presented and discussed. *CB-188972*



Joint Science and Technology Chemical and Biological Front End Analysis and Master Plan— Individual Protection

U.S. Government Agencies Only; Unclassified

SOAR-02-07

\$25.00

October 2002

This CD-ROM contains the complete *Joint Science and Technology Panel for CB Defense Individual Protection Chemical and Biological Protection Front End Analysis and Master Plan* report (dated August 2001), along with a literature database on technologies and materials related to air purification and percutaneous protection, a search tool, and a help file. *CB-188973*



Medical Risk Assessment of the Biological Threat

U.S. Government Agencies and their Contractors Only; Unclassified; For Official Use Only

SOAR-02-06

\$25.00

June 2002

Panels of medical specialists developed weighted criteria to score potential biological agents based on pathophysiology and operational impacts of agent-induced disease. These criteria were used to produce a medical biological agent risk management matrix prototype. *CB-160829*



Tools to Minimize the Threat of Intentional Food/Water Contamination

U.S. Government Agencies, their Contractors, State and Local Government Agencies Only; Unclassified

SOAR-02-05

\$50.00

January 2002

This report provides a catalog of security technologies and analytical methods to minimize the threat posed by intentional food and/or water contamination. Specific pathogens and other agents (bacteria, protozoan parasites, viruses, toxins, and chemicals) are addressed. Several cases of intentional food contamination are summarized. Defensive strategies against food and water terrorism should also consider treatment measures, which are not discussed in this catalog. *CB-160826*



Weapons of Mass Destruction Level III Antiterrorism Training

U.S. Government Agencies and their Contractors Only; Unclassified

SOAR-01-04

\$15.00

October 2000

Presidential Decision Directive (PDD) 39 directs that U.S. Forces give the highest priority to developing effective capabilities to detect, prevent, defeat, and manage consequences of nuclear, biological, or chemical (NBC) materials or weapons used by terrorists. The current Force Protection training for DoD personnel consists of four levels. Level I training must be conducted for military, DoD civilians, and family members prior to deployment. Level II training is a resident course to prepare officers and NCOs to serve as advisors to unit commanders for Force Protection (FP) matters. Level III is part of the 05/06 level pre-command course, while Level IV is the senior commander/executive level seminar. This CD-ROM contains slide shows to assist instructors in giving Level III training, along with additional information that will help commanders address antiterrorism matters. *CB-160857*



Respirator Encumbrance Model

U.S. Government Agencies and their Contractors Only; Unclassified

SOAR-01-03

\$125.00

September 2000

The Respirator Encumbrance Model (REM) is a PC database application that provides information on human performance degradation for proposed mask designs. Such modeling minimizes the guesswork, cost, and effort commonly expended to determine effects of new mask designs on wearer operational performance. The REM is a collection of tables, screens, buttons, fact sheets, and lists that interact to provide a fractional human performance rating value for individuals performing military tasks while wearing respirators, along with a bibliographic database. The REM derived task performance ratings represent the expected level of performance relative to performance without a mask. Each performance rating is based on mask design parameters entered and mission or task set selected. *CB-188974*



Weapons of Mass Destruction Force Protection Joint Service Training

U.S. Government Agencies, their Contractors, State and Local Government Agencies Only; Unclassified

SOAR-00-02

\$25.00

June 2000

Presidential Decision Directive (PDD) 39 directs that U.S. Forces give the highest priority to developing effective capabilities to detect, prevent, defeat, and manage consequences of nuclear, biological, or chemical (NBC) materials or weapons used by terrorists. The current Force Protection training for DoD personnel consists of four levels. Level I training must be conducted for military, DoD civilians, and family members prior to deployment. Level II training is a resident course to prepare officers and NCOs to serve as advisors to unit commanders for Force Protection (FP) matters. Level III is part of the 05/06 level pre-command course, while Level IV is the senior commander/executive level seminar. This CD ROM contains slide shows to assist instructors in giving Level I and Level II courses, along with additional information that will assist officers or NCOs assigned as advisors to the commander for Force Protection matters. *CB-188971*



Medical NBC Battlebook

Approved for Public Release; Distribution Unlimited

SOAR-00-01

N/A

August 2002

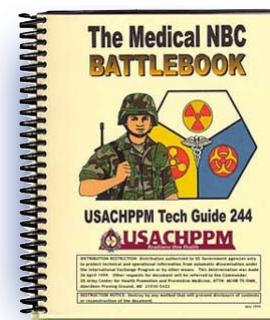
The Medical NBC Battlebook (U.S. Army Center for Health Promotion and Preventive Medicine [USACHPPM] Tech Guide 244) The Battlebook covers nuclear weapons, radiological hazards, biological agents, chemical agents, lasers and radiofrequency hazards, NBC defense equipment, and points of contact. Original publication date was April 1999.

This item is periodically out of print and is available at the following URLs:

<http://chppm-www.apgea.army.mil/documents/TG/TECHGUID/tg244.pdf>

http://chppm-www.apgea.army.mil/hio_public/orders.aspx

CB-167967



CB Decontamination Market Survey and Tool

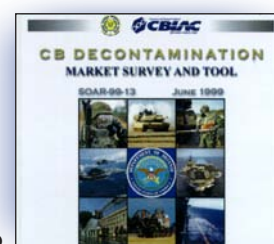
U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-99-13

\$50.00

June 1999

This SOAR contains a knowledge-based decontamination database and search tool covering the full range of current commercial and military decontamination technologies and systems, decontamination technologies and systems undergoing development, and ideas for integration of technologies to achieve effective decontamination. The SOAR also contains a version of CBRNIAC CR-99-10, *Wide Area Decontamination: CB Decontamination Technologies, Equipment, and Projects*. CB-160856



CBR-D Curricular Materials

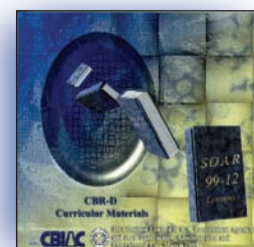
U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-99-12

\$25.00

March 1999

This CD-ROM provides trainee guide and lesson plan files to support SOAR-98-06, *CBR-D Computer-Aided Instruction*. Because of the coverage of NBC operations in confined spaces, this set may also be of interest to the domestic preparedness community. The files are in Microsoft® Word 97. CB-168948



Disaster Preparedness Operation Specialist (DPO) Curricular Materials

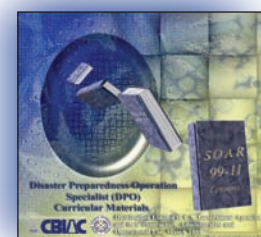
U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-99-11

\$25.00

March 1999

This CD-ROM provides trainee guide and lesson plan files to support SOAR-98-07, *Disaster Preparedness Operation Specialist (DPO) Computer-Aided Instruction*. Because of the coverage of NBC operations in confined spaces, this set may also be of interest to the domestic preparedness community. The files are in Microsoft® Word 97. CB-168949



Tactical NBC Information Tool

U.S. Government Agencies Only; Unclassified

SOAR-99-10

\$25.00

June 1998

This CD-ROM provides a complete set of NBC planning tools for use in tactical headquarters settings. Topics covered include agent characteristics, staff responsibility, the assessment tool, defense units, equipment, operations orders, threat, Army Universal Task List (AUTL) tasks conditions, and standards. The interactive nature of this tool greatly simplifies the NBC defense planning and training process. Included are a range of tools and



manuals on NBC decontamination, protection, contamination avoidance, potential military CB agents and compounds, field behavior of agents, and medical management of chemical casualties. This CD-ROM would also be valuable to the domestic preparedness, force protection, and counter terrorism communities. *CB-167465*

Technical Approach Options for Indoor Air Modeling

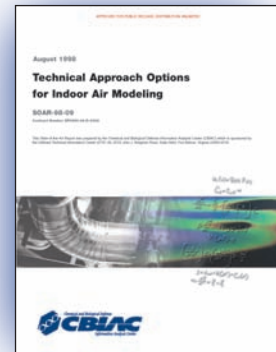
Approved for Public Release; Distribution Unlimited

SOAR-98-09

\$25.00

August 1998

This publication provides an assessment of 23 mathematical models that describe airflow, heat distribution, and contaminant transport within buildings. Each of the 23 models examined employed one of four approaches: well-mixed volume, computational fluid dynamics, plume dispersion, or empirical. Four models are recommended for further examination based on the needs of the Domestic Preparedness program: the U.S. EPA's RISK model, Battelle Memorial Institute's Emissions Transport Model, Gradient Corporation's Plume Dispersion Model, and the Subway Environmental Simulation developed by Parsons Brinkerhoff for the DOT. Descriptions and validation studies for these four models are presented. *CB-106868*



CINC NBC Information Tool

U.S. Government Agencies Only; Unclassified

SOAR-98-08

\$25.00

December 1997

This CD-ROM provides a complete set of NBC planning tools for use in high-level headquarters settings. Topics covered include agent characteristics, staff responsibility, the assessment tool, defense units, equipment, OPLAN, threat, and Universal Joint Task List (UJTL). The interactive nature of this tool greatly simplifies the NBC defense planning process at headquarters level. This CD-ROM would also be valuable to the domestic preparedness, force protection, and counter terrorism communities. *CB-106334*



Disaster Preparedness Operation Specialist (DPO) Computer-Aided Instruction

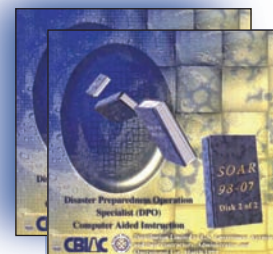
U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-98-07

\$50.00

December 1997

This 2 CD-ROM set provides a supplement to the U.S. Navy's Disaster Preparedness Operation Specialist course. Topics covered include radiological detection equipment, dosimeters, computer indicator equipment, CBR protective equipment, self and buddy aid, chemical detection equipment, and chemical decontamination equipment. The presentations contain text, graphics, and video clips that support each of the topics. Because of the coverage of NBC operations in confined spaces, this set may also be of interest to the domestic preparedness community. *CB-168952*



CBR-D Computer-Aided Instruction

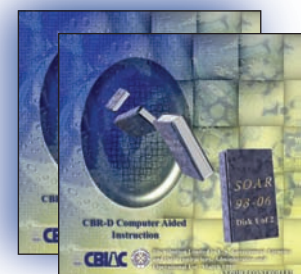
U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-98-06

\$50.00

December 1997

This 2 CD-ROM set provides a supplement to the U.S. Navy's CBR-D course. Topics covered include personal protective equipment, improved point detection system, chemical agent point detection system, chemical warfare directional detector, chemical agent detection kit and paper, collective protection system, chemical agent self and buddy aid, interim biological agent detection system, and RADIACs and radiation dosimeters. The presentations include text, graphics, and video clips that support each of the topics. Because of the coverage of NBC operations in confined spaces, this set may also be of interest to the domestic preparedness community. *CB-168950*



Assessment of Chemical Detection Equipment for HAZMAT Responders U.S. Government Agencies, their Contractors, State and Local Government Agencies Only; Unclassified

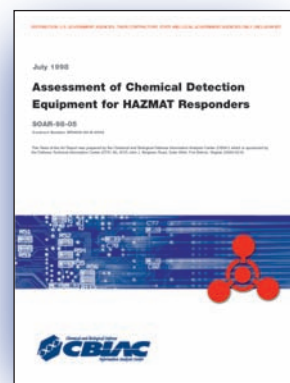
SOAR-98-05

\$25.00

July 1998

This publication provides an assessment of the detection equipment required by HAZMAT responders in order to deal with a terrorist incident involving chemical warfare agents. A representative locale was selected, and the incident response system was analyzed. Commercially available and military chemical warfare agent detection equipment is identified and analyzed based on the requirements of emergency responders. This analysis yielded recommendations for chemical detection equipment for use by emergency responders to meet their domestic preparedness needs.

CB-168951



State-of-the-Art Report on the Australia Group Chemicals

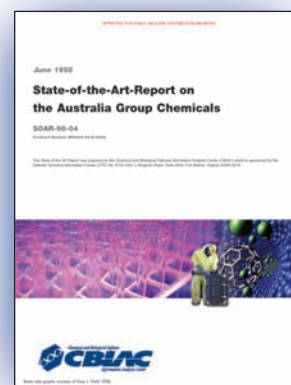
Approved for Public Release; Distribution Unlimited

SOAR-98-04

\$25.00

June 1998

This publication provides a condensed, quick reference summary of information on each of the 54 chemicals listed by the Australia Group. For each listed chemical, this report provides the chemical information, synonyms, trade names, Chemical Abstract Service number, CWC schedule number (where applicable), civilian uses, and related data. The civilian uses provided represent examples of the industrial applications of dual use chemicals, and is not an exhaustive list. CB-106871



An Overview of U.S. Chemical and Biological Defensive Equipment

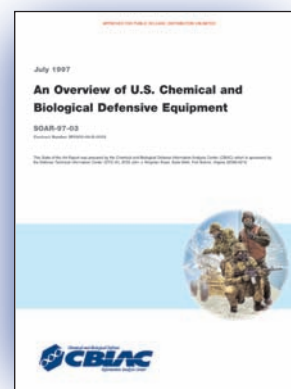
Approved for Public Release; Distribution Unlimited

SOAR-97-03

\$50.00

January 1997

This report profiles U.S. chemical protective equipment currently available or in development programs. Equipment in the categories of individual protection, detection and warning, collective protection and decontamination are presented, along with photographs or sketches of the items discussed. Over 50 protective equipment items are highlighted. CB-032599



State-of-the-Art Report on Biodetection Technologies

U.S. Government Agencies and their Contractors Only; Export Controlled; Unclassified

SOAR-95-02

\$25.00

July 1995

This publication provides a brief overview of biodetection technologies that may be used for military purposes. It also describes biological warfare agents and their properties as they relate to detection. Standoff, non-specific and specific biodetection technologies such as immunoassay technologies, nucleic acid amplification, flow cytometry, mass spectrometry, laboratory analysis and others are discussed. CB-032600



Proceedings of the CB Medical Treatment Symposium: An Exploration of Present Capabilities and Future Requirements for Chemical and Biological Medical Treatment

Approved for Public Release; Distribution Unlimited

SOAR-95-01

\$25.00

June 1995

This book includes all technical papers and poster presentations given at the 1994 *CB Medical Treatment Symposium* held December 5-8, 1994 at the NC Laboratory, Spiez, Switzerland. Topics include Medical Treatment; New Agents (Development and Treatment); Medical Delivery Systems; Medical Aspects of Disarmament; and Biologicals, Toxins, and Vaccines. Representatives from Canada, China, Croatia, Czech Republic, Iran, Israel, Poland, Russia, Singapore, South Africa, the United States and most other NATO countries were among the attendees and presenters. *CB-032601*



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CR-07-17																											
CR-06-16																											
CR-05-15																											
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	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DBK-06-01	CBAC Newsletter Archive 1986-2005																					
DBS-02-01	Chemical Sources Database and Databook: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals (set of both paperback and CD ROM)	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DB-02-01	Chemical Sources Database: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals	•																				
DBK-02-01	Chemical Sources Database: Toxicological Values for Catastrophic Release of Toxic Industrial Chemicals	•																				
DBK-99-02	Susceptibility of Aircraft Materials to Chemical Warfare Agents (Reprint)	•																				
DB-97-01	Physiological and Psychological Effects of the Nuclear, Biological and Chemical Environment and Sustained Operations on Systems in Combat (P2NBC2)	•		•																		
DBK-95-01	Chemical Defense Materials Databook	•																				
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HB-99-03	CB Terminology Handbook	•	•																			
HBS-99-03	Worldwide Chemical Detection Equipment and Worldwide NBC Mask Handbooks (Set)	•	•																			
HB-95-02	Worldwide Chemical Detection Equipment Handbook	•	•																			
HB-92-01	Worldwide NBC Mask Handbook																					
SIMKIT-06-02	Explosive Simulant Kit																					
SIMKIT-05-01	CBR Simulant Training Kit	•	•																			
SIMKIT-96-01	Chemical Warfare Agent Simulant Training Kit	•	•																			
SOAR-07-20	Proceedings of the 2006 Scientific Conference on Chemical and Biological Defense Research		•	•																		
SOAR-06-19	Proceedings of the 2004 Scientific Conference on Chemical and Biological Defense Research		•	•																		
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SOAR-06-16	Proceedings of the 2nd DoD Sustainable Ranges Initiative Conference and Exhibition																					
SOAR-06-15	Weapons of Mass Destruction Handbook—Terms and Operational Overview		•	•																		

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